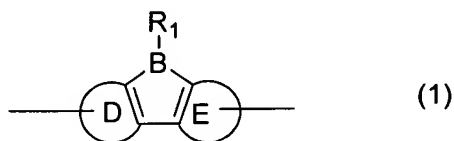


**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (original): A polymer characterized by comprising a repeating unit represented by the following formula (1) and having a number average molecular weight, in terms of polystyrene, of  $10^3$  to  $10^8$ :



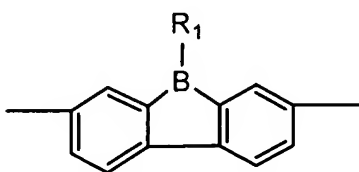
wherein  $R_1$  represents a hydrogen atom, or an alkyl, alkoxy, alkylthio, aryl, aryloxy, arylthio, arylalkyl, arylalkoxy, arylalkylthio, arylalkenyl, arylalkynyl, amino, substituted amino, silyl, substituted silyl, silyloxy, substituted silyloxy or monovalent heterocyclic group, or a halogen atom; and rings D and E each independently represent an optionally substituted aromatic ring.

2. (original): The polymer according to claim 1, wherein the aromatic ring is an aromatic hydrocarbon ring or a heteroaromatic ring.

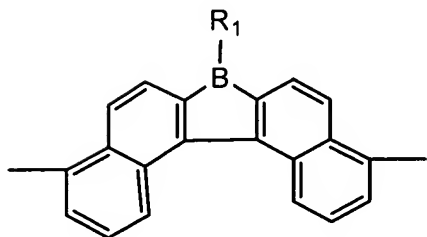
3. (original): The polymer according to claim 2, wherein the aromatic ring is an aromatic hydrocarbon ring.

4. (previously presented): The polymer according to claim 2, wherein the aromatic hydrocarbon ring is a benzene, naphthalene or anthracene ring.

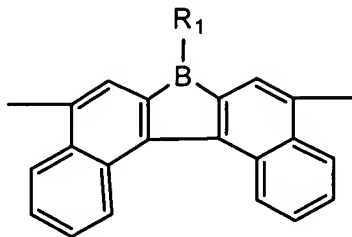
5. (original): The polymer according to claim 4, wherein the repeating unit represented by the formula (1) is represented by the following formula (2-1), (2-2), (2-3), (2-4) or (2-5):



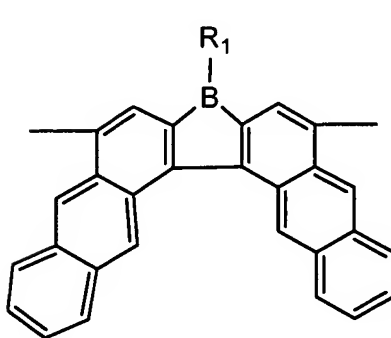
(2-1)



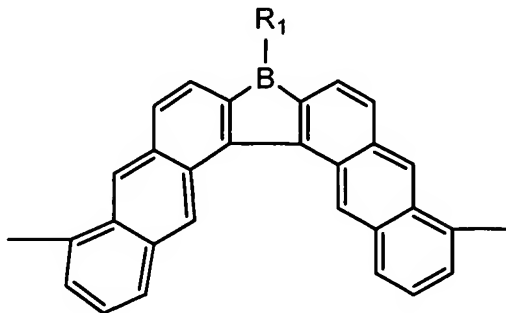
(2-2)



(2-3)



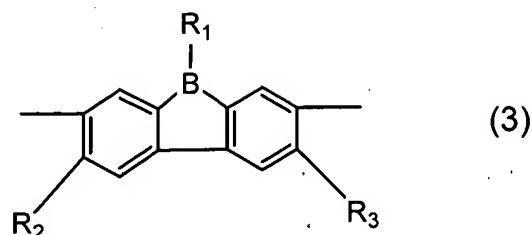
(2-4)



(2-5)

wherein  $R_1$  represents the same group as that in the formula (1).

6. (previously presented): The polymer according to claim 1, wherein the repeating unit is represented by the following formula (3):



wherein  $R_1$  represents the same group as that in the formula (1);  $R_2$  and  $R_3$  each independently represent an alkyl, alkoxy, alkylthio, aryloxy, arylthio, arylalkyl, arylalkoxy, arylalkylthio, amino or substituted amino group.

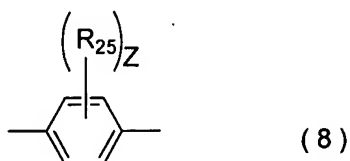
7. (previously presented): The polymer according to claim 1, further comprising a repeating unit represented by the following formula (4), (5), (6) or (7):



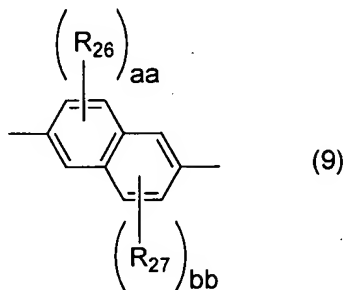
wherein  $\text{Ar}_1$ ,  $\text{Ar}_2$  and  $\text{Ar}_3$  each independently represent an arylene group, a divalent heterocyclic group or a divalent group having a metal complex structure;  $\text{X}_1$  represents  $-\text{C}\equiv\text{C}-$ ,  $-\text{N}(\text{R}_{22})-$  or  $-(\text{SiR}_{23}\text{R}_{24})_y-$ ;  $\text{X}_2$  represents  $-\text{CR}_{20}=\text{CR}_{21}-$ ,  $-\text{C}\equiv\text{C}-$ ,  $-\text{N}(\text{R}_{22})-$  or  $-(\text{SiR}_{23}\text{R}_{24})_y-$ ;  $\text{R}_{20}$  and  $\text{R}_{21}$  each independently represent a hydrogen atom, or an alkyl, aryl, monovalent heterocyclic, carboxyl, substituted carboxyl or cyano group;  $\text{R}_{22}$ ,  $\text{R}_{23}$  and  $\text{R}_{24}$  each independently represent a hydrogen atom, or an alkyl, aryl, monovalent heterocyclic or arylalkyl group;  $w$  represents an integer of 0

to 1; and y represents an integer of 1 to 12.

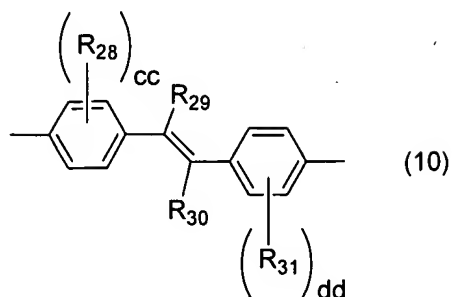
8. (currently amended): The polymer according to claim 7, wherein the repeating unit represented by the formula (4) is represented by the following formula (8), (9), (10), (11), (12) or (13):



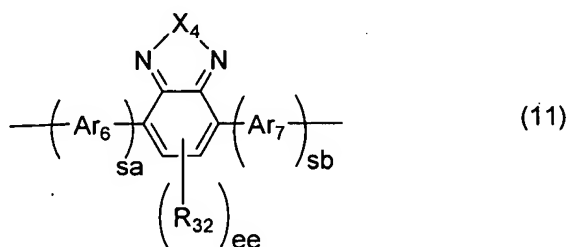
wherein  $R_{25}$  represents an alkyl, alkoxy, alkylthio, aryl, aryloxy, arylthio, arylalkyl, arylalkoxy, arylalkylthio, arylalkenyl, arylalkynyl, amino, substituted amino, silyl, substituted silyl, silyloxy or substituted silyloxy group, or a halogen atom, or an acyl, acyloxy, imino, amide, imide, monovalent heterocyclic, carboxyl, substituted carboxyl or cyano group; and z represents an integer of 0 to 4;



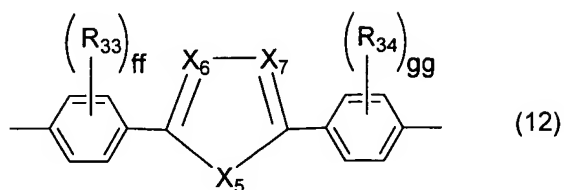
wherein  $R_{26}$  and  $R_{27}$  each independently represent the same group as the  $R_{25}$  in the formula (8); and aa and bb each independently represent an integer of 0 to 3;



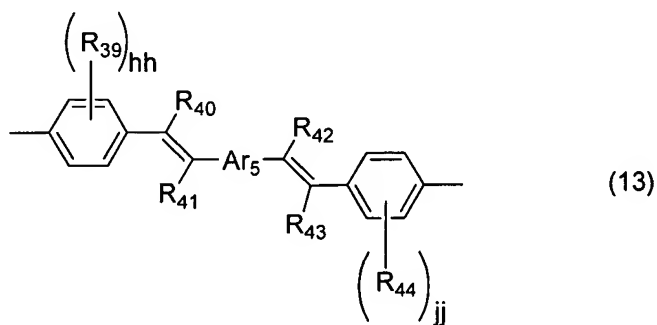
wherein  $R_{28}$  and  $R_{31}$  each independently represent the same group as the  $R_{25}$  in the formula (8);  $cc$  and  $dd$  each independently represent an integer of 0 to 4; and  $R_{29}$  and  $R_{30}$  each independently represent a hydrogen atom, or an alkyl, aryl, monovalent heterocyclic, carboxyl, substituted carboxyl or cyano group;



wherein  $R_{32}$  represents an alkyl, alkoxy, alkylthio, aryl, aryloxy, arylthio, arylalkyl, arylalkoxy, arylalkylthio, arylalkenyl, arylalkynyl, amino, substituted amino, silyl or substituted silyl group,  $X_4$  a halogen atom, or an acyl, acyloxy, imino, amide, imide, monovalent heterocyclic, carboxyl, substituted carboxyl or cyano group;  $ee$  represents an integer of 0 to 2;  $Ar_6$  and  $Ar_7$  each independently represent an arylene group, a divalent heterocyclic group or a divalent group having a metal complex structure;  $sa$  and  $sb$  each independently represent 0 or 1; and  $X_4$  represents O, S, SO, SO<sub>2</sub>, Se or Te;



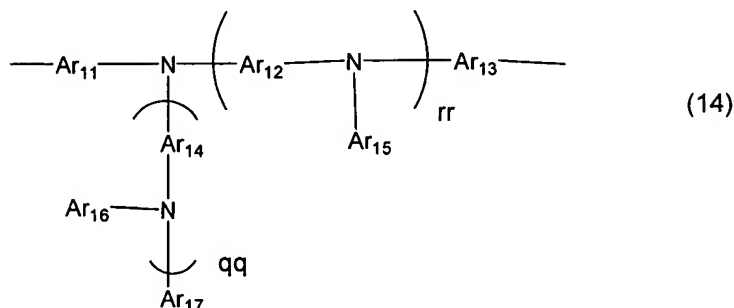
wherein  $R_{33}$  and  $R_{34}$  each independently represent the same group as the  $R_{25}$  in the formula (8);  $ff$  and  $gg$  each independently represent an integer of 0 to 4;  $X_5$  represents O, S, SO, SO<sub>2</sub>, Se, Te, N- $R_{35}$  or Si $R_{36}$  $R_{37}$ ;  $X_6$  and  $X_7$  each independently represent N or C- $R_{38}$ ; and  $R_{35}$ ,  $R_{36}$ ,  $R_{37}$  and  $R_{38}$  each independently represent a hydrogen atom, or an alkyl, aryl, arylalkyl or monovalent heterocyclic group; and



wherein  $R_{39}$  and  $R_{44}$  each independently represent the same group as the  $R_{25}$  in the formula (8);  $hh$  and  $jj$  each independently represent an integer of 0 to 4;  $R_{40}$ ,  $R_{41}$ ,  $R_{42}$  and  $R_{43}$  each independently represent the same group as the  $R_{29}$  in the formula (10); and  $Ar_5$  represents an arylene group, a divalent heterocyclic group or a divalent group having a metal complex structure.

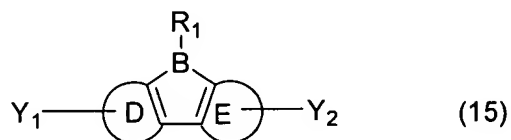
9. (original): The polymer according to claim 7, wherein the repeating unit

represented by the formula (5) is represented by the following formula (14):



wherein Ar<sub>11</sub>, Ar<sub>12</sub>, Ar<sub>13</sub> and Ar<sub>14</sub> each independently represent an arylene or divalent heterocyclic group; Ar<sub>15</sub>, Ar<sub>16</sub> and Ar<sub>17</sub> each independently represent an aryl or monovalent heterocyclic group; and qq and rr each independently represent 0 or 1, wherein  $0 \leq qq + rr \leq 1$ .

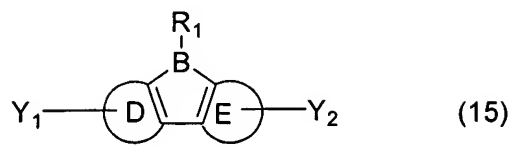
10. (currently amended): A method for producing the polymer according to claim 1, comprising subjecting a compound represented by the following formula (15), as one of its raw materials, to condensation polymerization:



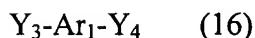
wherein rings D, E and R<sub>1</sub> each independently represent the same as described ~~above~~in claim 1; Y<sub>1</sub> and Y<sub>2</sub> each independently represent a substituent that takes part in the condensation polymerization.

11. (currently amended): A method for producing the polymer according to claim 7, comprising subjecting not only the compound represented by the following formula (15) but also a compound represented by any one of the following formula (16) to (19) to condensation

polymerization:



wherein R<sub>1</sub> represents a hydrogen atom, or an alkyl, alkoxy, alkylthio, aryl, aryloxy, arylthio, arylalkyl, arylalkoxy, arylalkylthio, arylalkenyl, arylalkynyl, amino, substituted amino, silyl, substituted silyl, silyloxy, substituted silyloxy or monovalent heterocyclic group, or a halogen atom; rings D and E each independently represent an optionally substituted aromatic ring; and Y<sub>1</sub> and Y<sub>2</sub> each independently represent a substituent that takes part in the condensation polymerization;



wherein Ar<sub>1</sub>, Ar<sub>2</sub>, Ar<sub>3</sub>, w, X<sub>1</sub> and X<sub>2</sub> each represent the same as described above; and Y<sub>3</sub> and Y<sub>4</sub> each independently represent a substituent that takes part in the condensation polymerization.

12. (currently amended): The method according to claim-10 11, wherein Y<sub>1</sub>, Y<sub>2</sub>, Y<sub>3</sub> and Y<sub>4</sub> each independently represent a halogen atom, or an alkylsulfonate, arylsulfonate or arylalkylsulfonate group and the condensation polymerization is carried out using a zerovalent nickel complex.



13. (currently amended): The method according to claim ~~10~~ 11, wherein  $Y_1$ ,  $Y_2$ ,  $Y_3$  and  $Y_4$  each independently represent a halogen atom, or an alkylsulfonate, arylsulfonate, arylalkylsulfonate, boric acid or borate ester group, the ratio of the total mole number of the halogen atom and the alkylsulfonate, arylsulfonate and arylalkylsulfonate groups to that of the boric acid and borate ester groups is substantially 1, and the condensation polymerization is carried out using a nickel or palladium catalyst.

14. (currently amended): A composition, ~~characterized by~~ comprising: at least one material compound selected from the group consisting of a hole transport material, an electron transport material and a light-emitting material; and at least one polymer according to claim 1.

15. (currently amended): An ink composition, ~~characterized by~~ comprising the polymer according to claim 1.

16. (original): The ink composition according to claim 15, having a viscosity of 1 to 20 mPa·s at 25°C.

17. (previously presented): A light-emitting thin film, comprising the polymer according to claim 1.

18. (previously presented): A conductive thin film, comprising the polymer according to claim 1.

19. (previously presented): An organic semiconductor thin film, comprising the polymer according to claim 1.

20. (currently amended): A polymeric light-emitting device, ~~characterized by~~ comprising a layer that comprises the polymer according to claim 1 between an anode and a

cathode.

21. (previously presented): The polymeric light-emitting device according to claim 20, wherein the layer that comprises the polymer is a light-emitting layer.

22. (original): The polymeric light-emitting device according to claim 21, wherein the light-emitting layer further comprises a hole transport material, an electron transport material or a light-emitting material.

23. (currently amended): A surface light source, ~~characterized by using~~ comprising the polymeric light-emitting device according to claim 20.

24. (currently amended): A segment display unit, ~~characterized by using~~ comprising the polymeric light-emitting device according to claim 20.

25. (currently amended): A dot matrix display unit, ~~characterized by using~~ comprising the polymeric light-emitting device according to claim 20.

26. (currently amended): A liquid crystal display unit, ~~characterized by using~~ comprising the polymeric light-emitting device according to claim 20 as its back light.